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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/014,114	12/11/2001	Vij Rajarajan	MS167414.2/40062.150USUI	3950
27488	7590	09/13/2005	EXAMINER	
MICROSOFT CORPORATION C/O MERCHANT & GOULD, L.L.C. P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			THAI, HANH B	
			ART UNIT	PAPER NUMBER
			2161	

DATE MAILED: 09/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/014,114

Applicant(s)

RAJARAJAN ET AL.

Examiner

Hanh B. Thai

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on RCE filed 8/3/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's argument to the rejection under 35 USC § 101 is acknowledged.

Consequently, the 101 rejection is withdrawn.

Applicant's arguments with respect to claims 1-13 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious, at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (US 6,732,362) in view of Petty et al. (US 6,342,907 B1).

Regarding claims 1 and 7, Lee discloses in a distributed network environment having a server computer system and a plurality of managed resources, each resource maintaining a plurality of objects, a method of representing at least one of the objects comprising:

- receiving a first schema document that conforms to a property sheet definition such that the first schema document defines a property sheet (col. 2, lines 32-49 and col.3, lines 20-23, Lee);
- receiving two or more second schema documents that conform to a page definition to define a plurality of pages, wherein at least one property page originates from a first resource and at least one property page

originates from a second resource, wherein the first resource is a software resource the second resource is a hardware, and the second resource being different from the first resource (col.2, lines 32-49; col.3, lines 20-23 and lines 28-65). Lee discloses object classes contains attribute that defines aspects of the database, and thus reads on “schema documents”. Lee discloses at col. 3, lines 28-60 the “base class” contains properties in the form of object attributes and “Scope”, and thus reads on a property sheet. Lee discloses the “base class”, “Scope” and attribute values satisfy the requested condition to generate an object instance reads on property page originates from a first resource (software resource). Lee discloses the Resource Installation Processor generates an object instance and transmits the exchanges to which the resource to be installed and Lee further discloses the “Resource Installation Request Message” reads on the Property Page originates from a second resource because it contains information about the resource to be installed, at the very least it holds identification information;

- modifying the property sheet to include the received pages; and wherein the property sheet represents the object (col.3, lines 36-38, Lee).

Lee, however, does not explicitly disclose the step of receiving a property page from hardware resource. Petty, on the other hand, discloses a interface panel showing the usage of “the printer” that reads on a property page from “hardware resource”.

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to apply property page’s hardware resource to the property

Art Unit: 2161

sheets in Lee. The motivation to combine is suggested by Petty which discloses that use of hardware resource such as that in the property sheets of Lee provide many advantages including the ability to use ubiquitous Internet protocols and easily control and manage network resources by applying XML schema document (col.5, lines 41-50, petty).

Regarding claims 2 and 8, Lee and Petty combination further discloses that the property sheet comprises object-type information applicable to objects of the same type, and wherein the property pages comprise resource-specific information (col.10, line 50 to col. 11, line 67, Petty).

Regarding claims 3 and 9, Lee and Petty combination further discloses receiving a request to display information related to an instance of the object (abstract, Petty); accessing the property sheet related to the object-type of the instance of the object; displaying object-type information gleaned from the property sheet; using the property pages of the property sheet, displaying information related to resources associated with the instance of the object; and displaying received instance-specific information from the associated resources (Fig.1, Fig.3-7 and corresponding text, petty).

Regarding claim 4, Lee and Petty combination further discloses at least one property page includes a pointer to executable code on its associated resource for resolving a request for instance specific information (col. 4, lines. 32-67, Petty).

Regarding claim 5, Lee and Petty combination further discloses the code relates to a search engine on the associated resource (col. 2, lines. 50-67, Lee).

Regarding claims 6 and 10, Lee and Petty combination further that the property sheet and property pages stored as XML (Fig.8A-8E, Petty).

Art Unit: 2161

Regarding claim 11, Lee discloses in a network environment having multiple resources, a computer program product readable by a computer and having stored thereon a data structure, comprising:

A property sheet displayable to a user on the network environment representing the object maintained by one of the multiple resources (Lee discloses at col. 3, lines 28-60 the “base class” contains properties in the form of object attributes and “Scope”, and thus reads on a property sheet. Lee discloses the “base class”, “Scope” and attribute values satisfy the requested condition to generate an object instance reads on property page associated with software resource. Lee discloses the Resource Installation Processor generates an object instance and transmits the exchanges to which the resource to be installed and Lee further discloses the “Resource Installation Request Message” reads on the Property Page associated with installed resource because it contains information about the resource to be installed, at the very least it holds identification information. Furthermore, the objects of Lee are in the context of a GUI (col.3, lines 5-40) and therefore displayable values is displayed to a user on the network environment).

Lee, however, does not explicitly disclose a second property page describing properties of the hardware resource. Petty, on the other hand, discloses a interface panel showing the usage of “the printer” associated with properties “user name” and “level” that reads on a property page describing the properties of the “hardware resource”.

It would have been obvious to a person having ordinary skill in the art at the time of the invention was made to apply property page’s hardware resource to the property sheets in Lee. The motivation to combine is suggested by Petty which discloses that use of hardware resource such as that in the property sheets of Lee provide many advantages

Art Unit: 2161

including the ability to use ubiquitous Internet protocols and easily control and manage network resources by applying XML schema document (col.5, lines 41-50, petty).

Regarding claim 12, Lee and Petty combination further discloses the property sheet relates to object type information and wherein the property pages relate to resource-specific information (col. 2, lines 32-49 and col.3, lines 20-60, Lee).

Regarding claim 13, Lee/Petty combination further discloses wherein at least one property page includes a pointer to executable code on its associated resource for resolving a request for instance specific information ("link" corresponding to "pointer", Fig.15, Petty).

### *Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Sarkar (US 6,418,448 B1) discloses method and apparatus for processing markup language specifications for data and metadata used inside multiple related Internet documents.

2. Schunicht et al (US 6,779,027 B1) disclose intelligent management module application programming interface with utility objects.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh B Thai whose telephone number is 571-272-4029. The examiner can normally be reached on 8 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2161

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hanh B Thai  
Examiner  
Art Unit 2161

September 2, 2005

  
UYEN LE  
PRIMARY EXAMINER